

22. A computer-implemented method for managing available-to-promise (ATP) data, comprising:

receiving at least one component ATP request, each component ATP request corresponding to an ATP request line-item for a desired product;

5 retrieving from a local database at least a portion of product availability information associated with the desired product for each component ATP request;

determining an ATP response for each component ATP request using the retrieved product availability information;

10 generating a component quotation for each component ATP request according to the corresponding ATP response; and

communicating the component quotation for consolidation with other component quotations.

23. The method of Claim 22, further comprising:

15 receiving at least one component quotation confirmation, each component quotation confirmation corresponding to a particular quotation line-item accepted at a client;

determining a promise response for each component quotation confirmation using at least a portion of the product availability information in the database;

20 generating a component promise for each component quotation confirmation according to the corresponding promise response, the component promise representing a commitment of product availability for the corresponding accepted product; and

25 communicating the component promise for consolidation with other component promises.

24. The method of Claim 23, further comprising:

receiving a component request cancellation associated with a component ATP request or a component promise;

30 updating the product availability information associated with the desired product in the database; and

generating a component cancellation confirmation for communication.

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receiving a component acceptance corresponding to a particular promise line-

generating a component acceptance confirmation for communication.

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generating a planning change notification for communication;

processing the revised component ATP request to generate one or more revised component quotations.

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determining whether the total requested quantity is available between the requested ship date and a lower bound of a date range;

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determining whether the total requested quantity is available between the lower bound and an upper bound of the date range.

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the component ATP requests correspond to individual items; and

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29. The method of Claim 22, further comprising:

receiving a sequence of component ATP requests, one or more first component ATP requests in the sequence targeted to a first fulfillment management system;

5 processing the first component ATP requests targeted for the first fulfillment management system to generate one or more resulting component quotations; and

communicating the resulting component quotations, along with remaining component ATP requests in the sequence, to a second fulfillment management system targeted by one or more second component ATP requests in the sequence.

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30. The method of Claim 22, further comprising generating component quotations or component promises on a per product basis based upon allocations throughout a seller hierarchy for a subset of products, the seller hierarchy and the subset of products supported by a fulfillment server.

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31. The method of Claim 22, further comprising generating component quotations or component promises based upon allocations for a subset of products throughout a hierarchy of related products, the subset of products in the hierarchy of related products supported by a fulfillment server.

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32. The method of Claim 22, further comprising generating an availability of generics of a product by communicating component ATP requests to a fulfillment management system that corresponds to the generic products.

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33. The method of Claim 22, further comprising:

holding allocations of supply for a seller within a seller hierarchy that is supported by a fulfillment server;

generating all component quotations or component promises possible with the allocations; and

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communicating the component quotations or component promises for combination, for each product, as if the ATP request had been quoted or promised by a single system having all the allocations.